TRW

IMACS

Topics

- IMACS Security Overview
- Data View
- Ad. Hoc Query
- Web enable IMACS

IMACS SECURITY OVERVIEW

- IMACS Access Control
  - Access to IMACS data is controlled by the IMACS application
  - Access from application to database is controlled by Oracle
  - Role-based security scheme is controlled by IMACS DB tables
  - Application determines DMISAs a user can see and work on.
- The Implication
  - IMACS should be accessed through the IMACS application or a tool that can implement the same security mechanisms as IMACS.

Data View & Ad. Hoc query

- IMACS database is a relational database
  - DIMSA data is stored in a set of 78 tables.
  - Tables are related to each other through a common reference number generated by system.
  - A table set is used to to connect the user account and the reference number.
  - This mechanism determines who can see what DMISAs.
- Implication
  - If a user has the ability to access IMACS through a method other than the IMACS application they will have the ability to view all the DMISAs by ignoring the security tables

CITRIX Thin Client Solution

- Issues
  - Utilizes Existing IMACS Application Software
  - Maintains all of the IMACS business and processing logic without rewriting application.
  - Requires purchase of CITRIX client/server software, Mulit-Instance Client Manager, and Oracle Server Runtime
  - Microsoft Terminal Server software
  - Requires additional Web Server hardware
  - Potential Oracle Report performance issues in WAN environment.

Web Enabling IMACS using Oracle

Issues

- Oracle Designer 2000 CASE tool is capable of model the data and creating the user interface
- Requires all of the IMACS business and processing logic to be rewritten, database redesigned, and associated to the other Oracle Form based elements
- Form application server running Form Routine software is required for Oracle web architecture.
- Requires additional Web Server hardware
- The network traffic will substantially increase as a result of the interaction between the client, Form server and the database server.
- Possible performance issues in WAN environment.

Web Enabling IMACS using CA Web Enablement Tools

- Issues
  - Utilizes Existing IMACS Application Software
  - Maintains all of the IMACS business and processing logic without rewriting application.
  - Requires Purchase of Sterling Web Enablement tools, Mulit-Instance Client Manager, and Oracle Server Runtime
  - Requires additional Web Server hardware
  - Potential Oracle Report performance issues in WAN environment.